



State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Department of Administrative Services

D'ARCY DIXON PIGNANELLI
Executive Director

Division of Facilities Construction and Management

F. KEITH STEPAN
Director

ADDENDUM #2

Date: 20 March 2006

To: Contractors

From: Darrell Hunting, DFCM – Project Manager

Reference: Bridgerland Applied Technology Campus – Boiler Replacement and Control Upgrade
DFCM Project No. 06011210

Subject: **Addendum No. 2**

Pages	Addendum #2	3 pages
	Mechanical Engineers Prior Approvals	1 page
	Mechanical Sheet MH 101 and Sheet MH601	3 pages
	<u>Addendum #2 RTU, VFD and VAV Drawing</u>	<u>1 page</u>
	Total	8 pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

- 1- No schedule changes
- 2- Reference is made to DFCM project number 01290210 in several areas in the contractor documents (drawings, technical specifications and addendum #1 division 15900). The correct DFCM project number is 06011210.
- 3- It is the intent of this project to replace existing steam boilers and upgrade the controls system so the buildings temperature control system is controlled by one Direct Digital Control system on the existing host computer.
- 4- Contractors should refer to Stage II – Bidding process, page No. 4 and No. 5, Item 14 – Product approvals. Reference is made to TAC INET DDC system. No other systems have been submitted or approved as of this addendum.
- 5- Upgrade of controls system will proceed as soon as possible after award of contract.
- 6- Successful contractor will be responsible to coordinate with BATC staff when working in occupied areas. Classes will be rescheduled as much as possible to allow contractor to work in these areas. BATC will remove tables, chairs, desks, computers and other items that need removed to allow work to take place. Contractor will be responsible for protection of carpet, ceiling tile and any other components of the building that can't be removed.
- 7- The successful bidder on this project will be required to provide submittals on all products with a long lead time as soon as they are informed of the intent to issue a contract.
- 8- The roofing system on this facility is under warranty. The successful contractor will coordinate any cutting or patching of the roof with the DFCM project manager and roofing contractor to keep the roof warranty in force. DFCM will cover the cost associated with patching the roof.
- 9- The demo shown on sheet MD 101 will be done under a separate contract exceptions are noted below.
 - a. Sheet MD 101, keynote 15, work will be done under this contract, also see sheet MH 101 keynote 9.
 - b. Sheet MD 101, keynote 4 and Sheet MH 101, keynote 7, work to be done under this contract. Coordinate with demo contractor as required.
- 10- All work shown on Sheet ED 101 will be done under this contract, coordinate with demo contractor as required.
- 11- Demo contractor will be allowed to demo existing boilers by mid May 2006; weather permitting, Successful contractor should have access to boiler room by June 1, 2006.
- 12- The Control upgrade as specified in addendum #1 will include the following. These items are in addition to any shown on drawings previously issued.
 - A- The ATC Contractor shall include new controls for 10 each AHU units including new two and three way control valves (per the project drawings and GPMs). The existing damper actuators and other like items maybe reused provided that the contractor verifies that the actuators and devices are working properly. Any actuators or devices not properly working correctly shall be replaced without any additional cost to the owner.

B- VARIABLE FREQUENCY DRIVES:

The ATC Contractor shall replace the existing 7 each VFD systems serving the AHU units. The ATC Contractor shall also install a new VFD System per the following specification for RTU #3 (7.5 HP 460 Volts) including duct static controls. The existing VFD enclosures including all peripheral components (excluding the VFD) maybe re-used provided the proper operation is verified. All VFD systems shall include a system line reactor or filter if the existing harmonic filter cannot be reused. The complete VFD system shall be covered by a two-year parts and labor warranty.

C- VAV BOX CONTROL W/ REHEAT COILS (VAV#1-VAV#81)

The ATC Contractor shall include new controls for 81 each VAV reheat box control units. The ATC contractor shall also provide new VAV reheat valves to be installed by the Mechanical Contractor. The ATC Contractor shall program and calibrate the VAV box minimum and maximum CFM values per the original project specifications.

13- Approximate location of all roof top units, VAV boxes and VFD's associated with this project are shown on drawing issued with this addendum.

End of Addendum



Addendum

Job: BATC Boiler Replacement
Job Number: 01290210
Date: March 20, 2006

MECHANICAL – DIV 15

PRIOR APPROVALS

Approval of equipment from catalog information indicated brand name and general characteristics are acceptable to the Engineer, but does not relieve the Contractor of the responsibility of providing equipment and accessories as specified unless specific mention of departments from specifications was made in the submittal and acknowledged in writing by the Engineer. Quantities and dimensions are not checked. We are retaining one set of submittal data for our files.

<u>SECTION</u>	<u>ITEM</u>	<u>MANUFACTURER</u>	<u>COMMENT</u>
15513	Condensing Boiler	Hydrotherm KM-20	Approved
15517	Flexible Water Tube Boilers	UBW MC-Series	Approved (Insulate ext. flanges)



Addendum

Job: BATC Boiler Replacement
Job Number: 01290210
Date: March 17, 2006

MECHANICAL – DIV 15

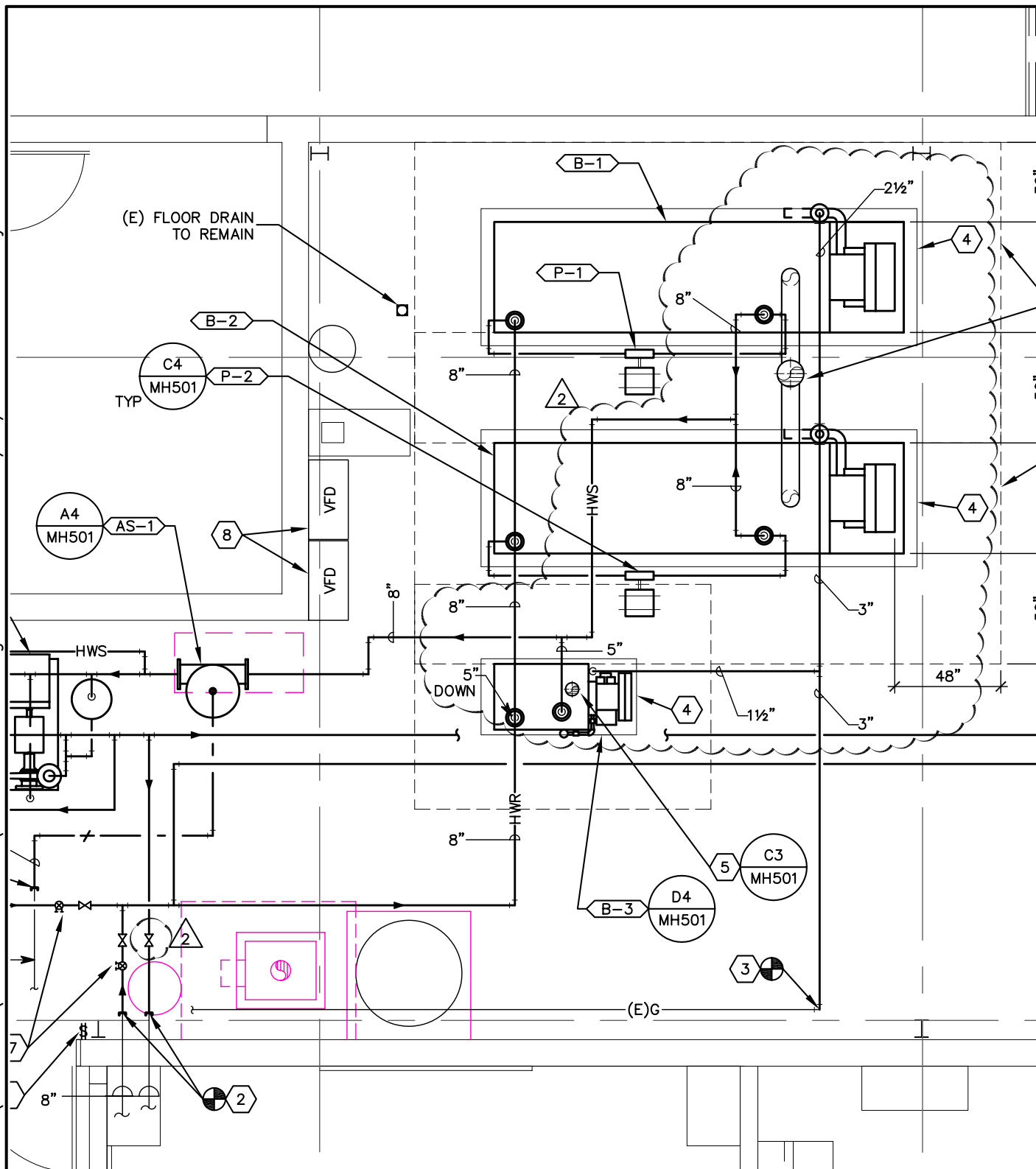
DRAWINGS

SHEET - MH101

1. Change routing of HWS piping to reduce length of piping. Add shut-off isolation valve to 8" HWS. Change 5" See attached.

SHEET - MH601

1. Change boiler schematic to match new piping layout as mentioned above. See attached.



**SPECTRUM
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REFERENCE: MH101

ISSUE: RFP

DATE: 03/17/06

PROJ NO: 20050235

DRAWN BY: SCM

CHECKED BY: RDV

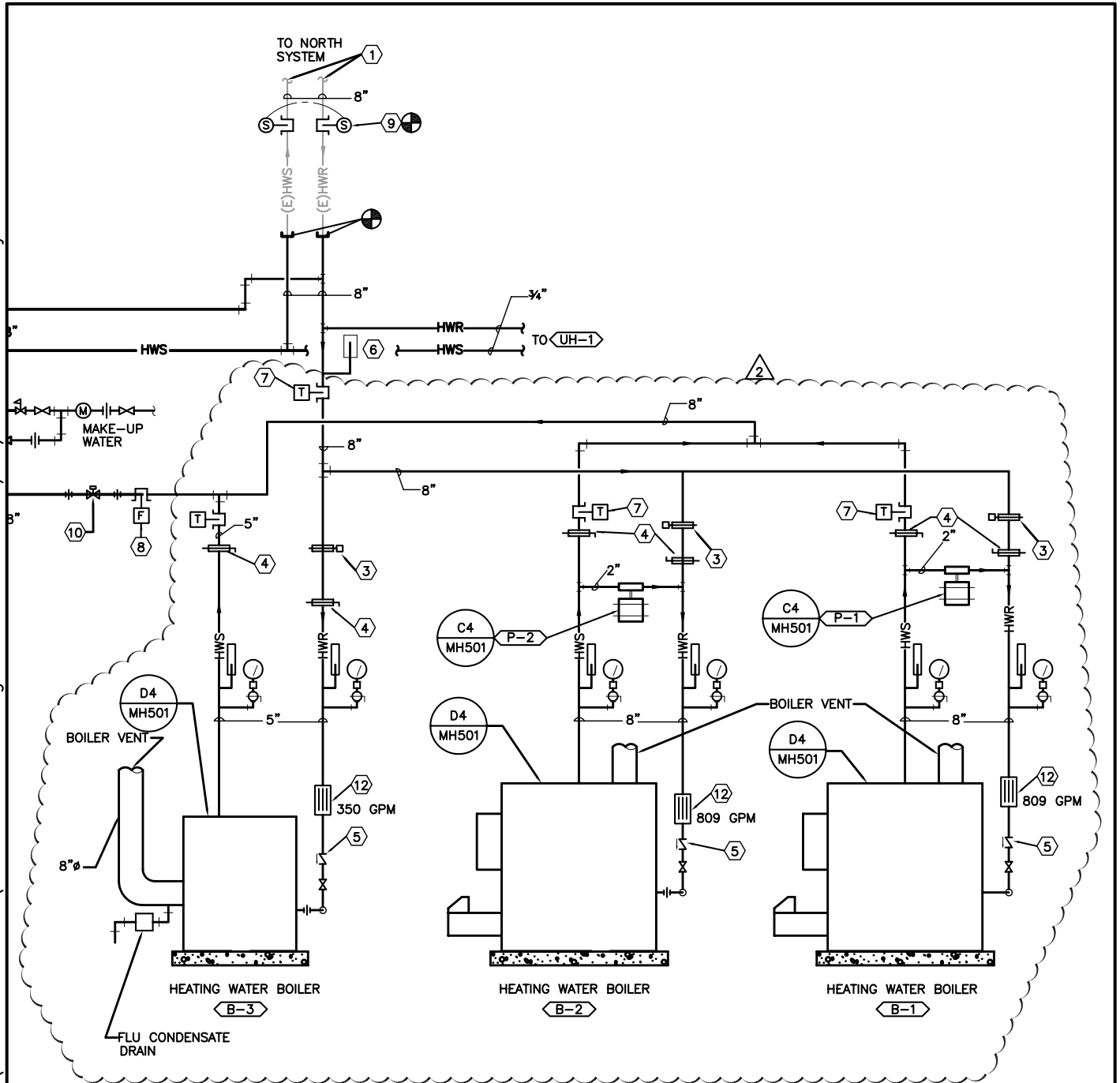
PROJECT **BATC BOILER REPLACEMENT**

SHEET TITLE **MECHANICAL PLAN**

SCALE

3/16" = 1'-0"

MH-101-R2-1



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REFERENCE: MH601

ISSUE: ADDENDUM 1

DATE: 03/17/06

PROJ NO: 20050235

DRAWN BY: SCM

CHECKED BY: RDV

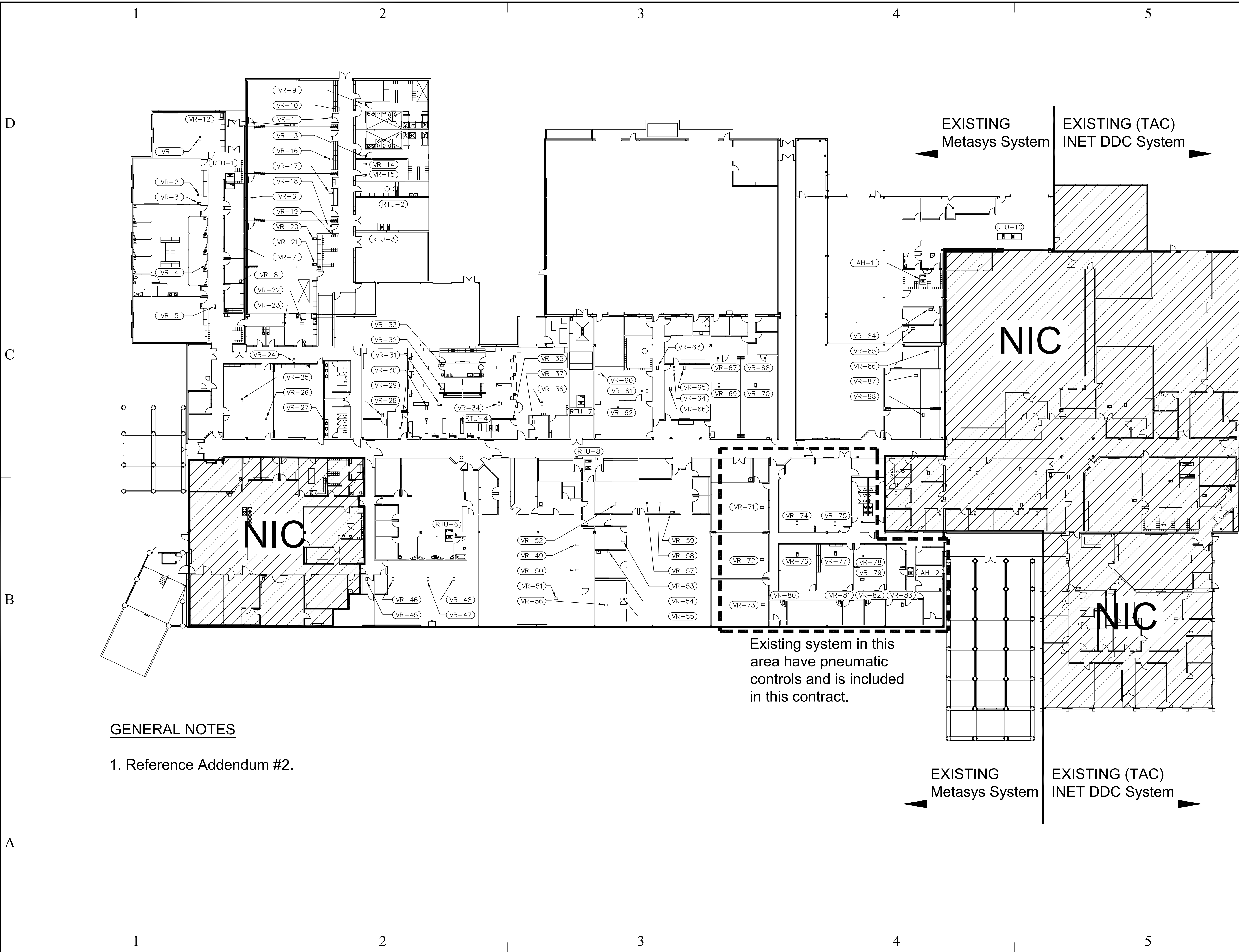
PROJECT **BATC BOILER REPLACEMENT**

SHEET TITLE **HOT WATER HEATING PIPING
SCHEMATIC**

SCALE

NTS

MH-601-R2-1



GENERAL NOTES

1. Reference Addendum #2.

State of Utah
Department of Administrative Services

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CREATED BY: DFCM



COMPUTER AIDED DESIGN SERVICES
DOCUMENT MANAGEMENT
DESIGN - DRAFTING - STANDARDS
PLOTING - SCANNING

4110 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
PHONE: (801) 537-9132
FAX: (801) 538-3267

BUILDING NAME:

PROPERTY# 07471

BRIDGERLAND ATC

LOGAN, UTAH

PROJECT TITLE:

BOILER
REPLACEMENT AND
CONTROLS UPGRADE

MARK	DATE	DESCRIPTION
ISSUE TYPE: ADDENDUM #2		
ISSUE DATE: MARCH 20, 2006		
DFCM PROJECT NO: 06011210		
CAD PROJECT NO:		
CAD DWG FILE:		
DRAWN BY:		
CHK'D BY:		
COPYRIGHT: STATE OF UTAH		
SHEET TITLE		
ADDENDUM #2 DRAWING		
SHEET NUMBER		
ADD2		
SHEET 1 OF 1		